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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/002,534	11/01/2001	Tae-Sung Jung	678-768(P9939)	3265

28249 7590 12/27/2005

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EXAMINER

BLAIR, DOUGLAS B

ART UNIT	PAPER NUMBER
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2142

DATE MAILED: 12/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/002,534

Applicant(s)

JUNG, TAE-SUNG

Examiner

Douglas B. Blair

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 December 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 8/8/05

- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Response to Amendment

1. Applicant's request for reconsideration of the finality of the rejection of the last Office action is persuasive and, therefore, the finality of that action is withdrawn.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1-8 are rejected under 35 U.S.C. 102(e) as being anticipated by U.S. Patent Number 6,915,345 to Tummala et al..

4. As to claim 1, Tummala teaches a system for providing a VPN (Virtual Private Network) service by connecting a VPN to a mobile communication network, comprising: a home agent (HA) for storing location information of a mobile node (col. 7, lines 28-40) and information about the VPN service for the MN (col. 9, lines 27-43, the AAA server for the home agent); a foreign agent (FA) for receiving location registration information from the MN (col. 8, lines 5-22), transmitting a location registration request message to the HA (col. 8, lines 5-22), and transmitting data to an ISP (Internet Service Provider) router of an FA network, when receiving a VPN service request (col. 8, lines 22-59); an ISP server for IP tunneling between the ISP router of the FA network and an ISP router of the VPN (col. 8, line 60-col. 9, line 26); a router network

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for routing the FA network and the VPN, and receiving and forwarding the data using an IP tunnel to a correspondence node (col. 8, line 60-col. 9, line 26); and a VPN server for providing the VPN service (col. 8, line 60-col. 9, line 26).

5. As to claim 2, Tummala teaches the system as claimed in claim 1, wherein the router network includes a server for searching an edge Internet Protocol (IP) router in the network using an address of the FA (col. 8, line 60-col. 9, line 26).

6. As to claim 3, Tummala teaches the system as claimed in claim 1, wherein the HA prevents the MN from accepting a call request received from a specific node in an IP network while the MN is performing the VPN service (col. 8, line 60-col. 9, line 26).

7. As to claim 4, Tummala teaches a system for providing a Virtual Private Network (VPN) service by connecting a VPN to a mobile communication network, comprising: a home agent (HA) for storing location information of an mobile node (MN) and information about the VPN service for the MN (col. 9, lines 27-43, the AAA server for the home agent); a foreign agent (FA) for receiving location registration information for the MN, transmitting a location registration request message to the HA, transmitting data to an Internet Service Provider (ISP) router of an FA network, when a VPN service request, and performing Internet Protocol (IP) communication with a specific subscriber (col. 8, line 5-col. 9, line 26); the MN for performing the Internet Protocol (IP) communication with the FA, the MN being registerable in the VPN (col. 8, line 5-col. 9, line 26); an ISP server for IP tunneling between the ISP router of the FA network and an ISP router of the VPN (col. 8, line 5-col. 9, line 26); a router network for routing the FA network and the VPN, and receiving and forwarding the data using an IP tunnel to a

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correspondence node (col. 8, line 5-col. 9, line 26); and a VPN server for providing the VPN service (col. 8, line 5-col. 9, line 26).

8. As to claim 5, Tummala teaches the system as claimed in claim 4, wherein the router network includes a server for searching an edge IP router in the network using an address of the FA (col. 8, line 5-col. 9, line 26).

9. As to claim 6, Tummala teaches the system as claimed in claim 4, wherein the HA prevents the MN from accepting a call request received from a specific node in an IP network while the MN is performing the VPN service (col. 8, line 5-col. 9, line 26).

10. As to claim 7, Tummala teaches the system as claimed in claim 4, wherein the MN transmits an address of the HA and an address of the VPN server to the FA during VPN registration, and performs the VPN service by receiving a temporary ID for use of the VPN from the FA during the location registration (col. 8, line 5-col. 9, line 26).

11. As to claim 8, Tummala teaches the system as claimed in claim 7, wherein the MN stores an address of the VPN server and an address of a router in the network, received from the FA, and performs the VPN service using the received addresses (col. 8, line 5-col. 9, line 26).

Response to Arguments

12. Applicant's arguments with respect to claims 1-8 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

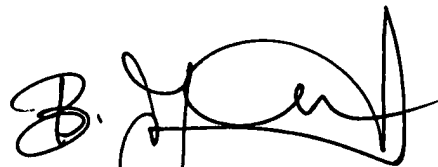
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13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas B. Blair whose telephone number is 571-272-3893. The examiner can normally be reached on 8:30am-5pm Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Caldwell can be reached on 571-272-3868. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Douglas Blair



BUNJOB JAROENCHONWANIT
PRIMARY EXAMINER